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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**MICROWAVE FACILITIES
UZBEK AND TADZHIK SSR AREAS
USSR**



GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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MICROWAVE FACILITIES, UZBEK AND TADZHIK AREAS, USSR

1. Eighteen areas in the Uzbek and Tadzhik SSRs were searched on KEYHOLE photography for TV/microwave facilities (Figure 1). A total of nine facilities (described below) were identified. Three facilities are newly identified since January 1969. Microwave antennas were identified at six of the nine microwave facilities, including one Vesna horn at Dushanbe.

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2. This report provides details of microwave antenna equipment at the facilities and includes a location map with photographs, and mensural and reference data. The measurements given are accurate to within the limitations indicated, at a 95% confidence level.

- a. Leninabad Radio/Relay Station Khodzhen
40-16-10N 069-45-50E

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Tower Height:

the exact tower base location is obscured by shadows.

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The tower is lattice steel, self-supporting, and contains two R60/120 microwave dishes of an undetermined azimuth orientation. The facility is fenced and also contains a control building, a two-story barracks, and five support buildings.

- b. Samarkand AW Radar Facility
39-41-20N 067-02-10E

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The facility is located on a high hill just east of Samarkand. It contains two R60/120 microwave dishes which are both oriented on an azimuth of 310 degrees. One dish is mounted on the ground and the other is mounted on the roof of a control building. This facility also contains an unidentified, tower-like structure and three support buildings.

- c. Khumin Probable Microwave Facility
39-42-03N 064-16-38E

25X1

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The facility is located 8.0 nautical miles southeast of Bukhara. It consists of one probable microwave tower and one small building. The small scale of the photography precludes further identification.

- d. Karakul Probable Radio/Relay Microwave Station*
39-31-25N 063-51-35E

25X1

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Tower Height: approximately 32.0 m (105 ft)

The facility is fenced and consists of a tower and a control building. The small scale of the photography precludes further identification.

- e. Chardzhou TV Relay Station Komsomolsk
39-01-30N 063-35-20E

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The facility consists of one self-supporting steel lattice tower with an adjacent studio or control building. No microwave elements were observed on the tower.

- f. Karshi TV Relay Station
38-50-0/N 065-48-0/E

25X1

25X1

The facility is fenced and contains a self-supporting lattice steel tower (inset f). On top of the tower, a platform-mounted R60/120 microwave antenna dish is oriented at 305 degrees. A second dish, but undetermined in type, is mounted atop a large control building and oriented at 315 degrees.

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- g. Dushanbe Radio/Relay & TV/FM Broadcast Center
38-34-27N 068-48-00E

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Tower Height: 182.0 m (600 ft) \pm (1.5 m plus 1%)

The facility contains two microwave towers. One tower supports an R-600 (Vesna horn) microwave antenna (inset g). A second, smaller tower supports an R60/120 microwave dish. The azimuth of this dish and its tower height cannot be determined from available photography.

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- h. Kurgan-Tyube TV Relay Station*
37-50-0/N 068-46-0/E

25X1

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The facility contains two R60/120 microwave dishes each mounted on a self-supporting lattice steel tower (inset h). The azimuths of the dishes cannot be determined from available photography. This facility also contains a large control building and a TV antenna mounted on a separate, third tower.

- i. Kurgan-Tyube Radio Communications & AM
Broadcast Transmitter*
37-32-30N 068-48-15E

25X1

25X1

An R60/120 microwave dish oriented at 360 degrees in mounted on one of the control buildings of this large transmitting facility.

25X1

MAP OR CHART

ACIC. ONC, Sheet G-6, scale 1:1,000,000

REQUIREMENT

NPIC/IEG/SD/EB Project 250876

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*Newly identified microwave facility

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